

FIG. 1

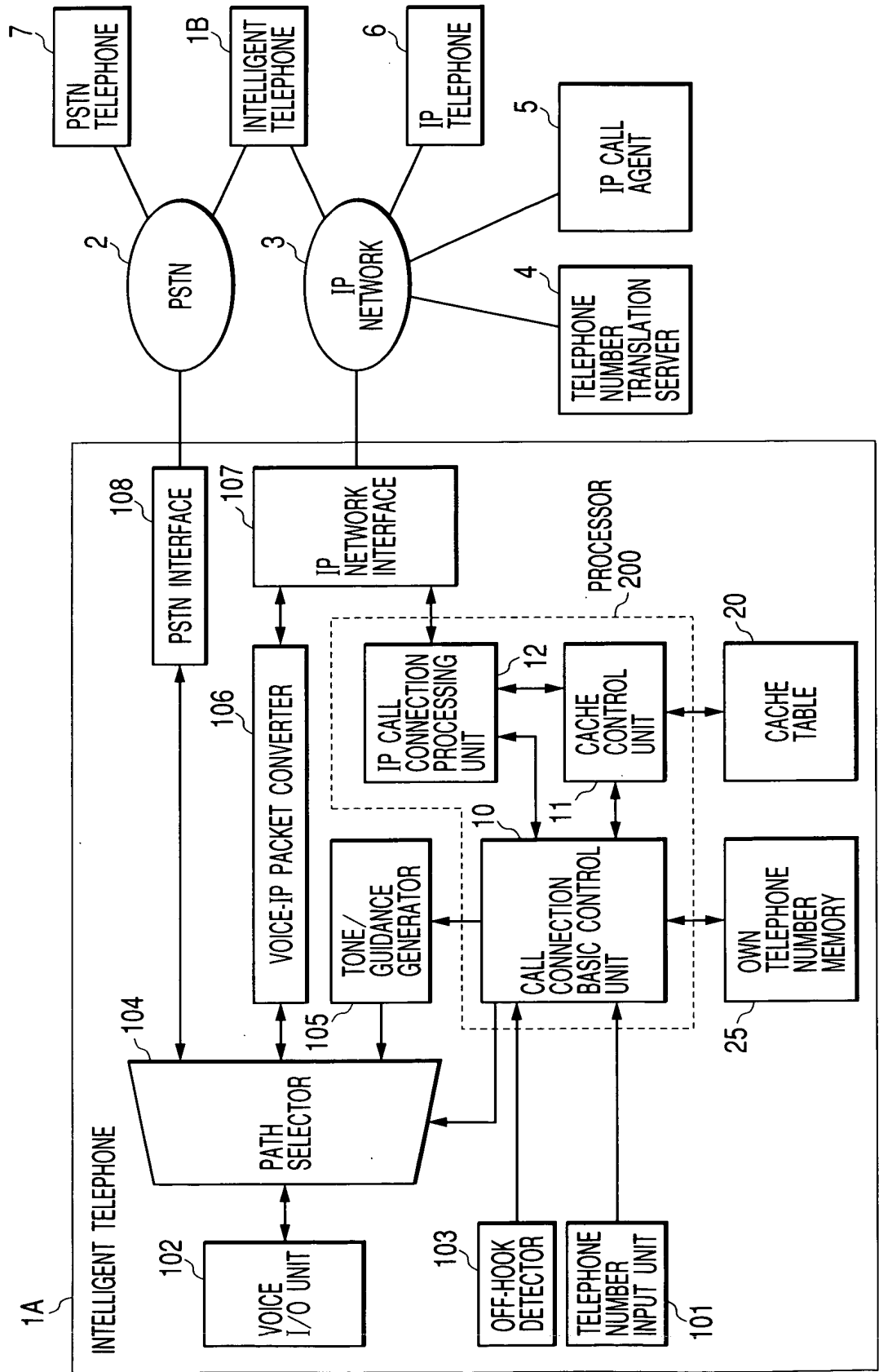
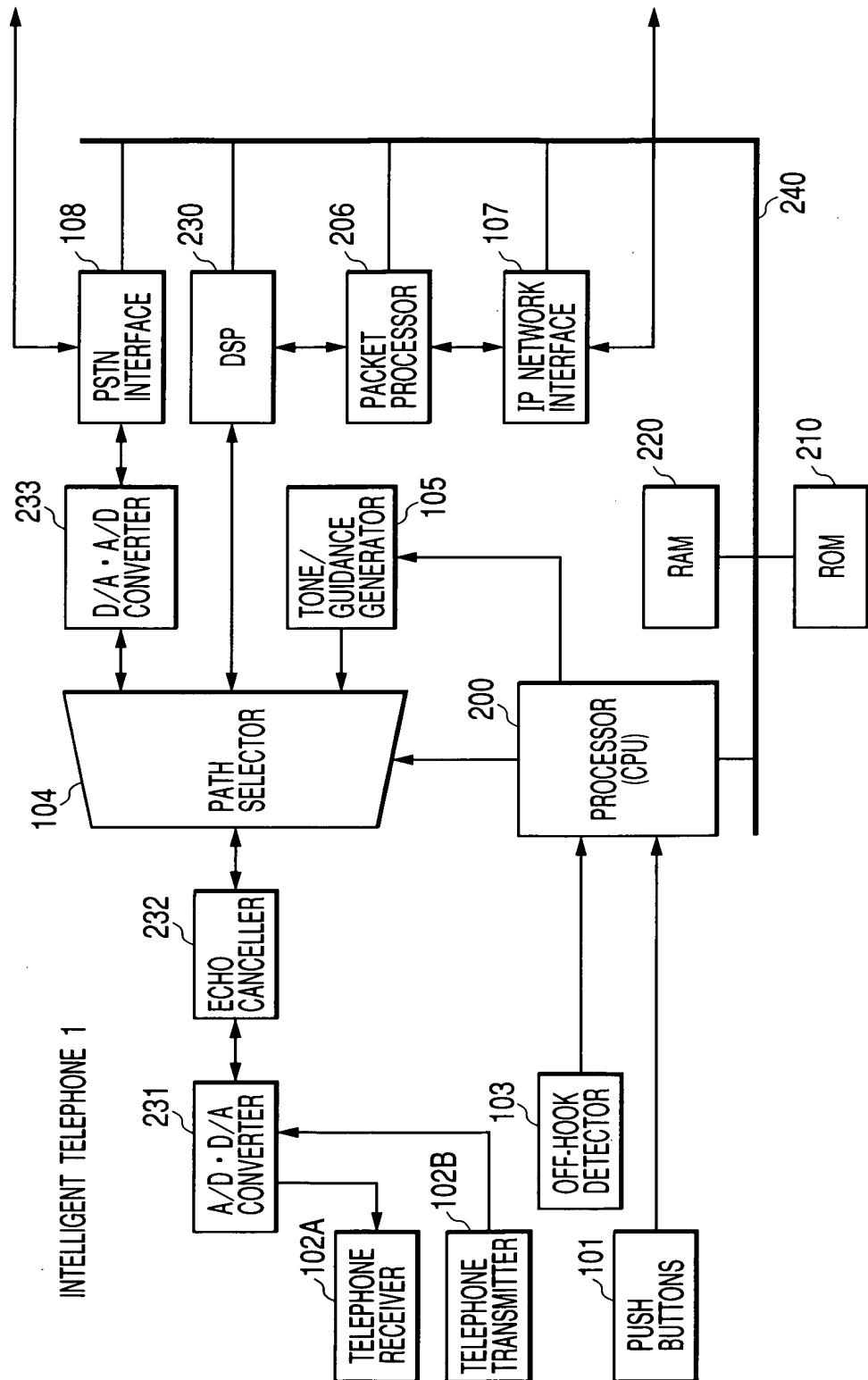


FIG. 2



# FIG. 3

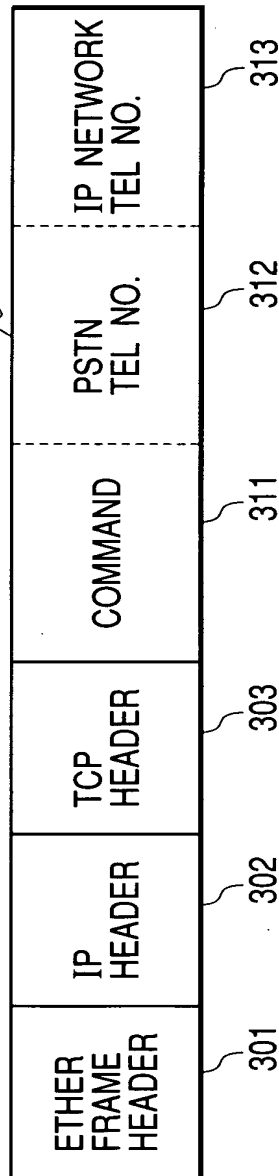
## TELEPHONE NUMBER TRANSLATION DATABASE 40

PSTN TELEPHONE NUMBER	IP NETWORK TELEPHONE NUMBER	HOLD TIME
03-9012-3456	050-789-0123	10:00:00
03-5678-9012	050-345-6789	2:30:00
• • •	• • •	• • •
044-234-5678	050-901-2345	6:10:30
• • •	• • •	• • •
045-123-4567	050-890-1234	4:50:20
• • •	• • •	• • •

# FIG. 4

TEL NUMBER REGISTRATION / INQUIRY MESSAGE 300T

DATA FIELD  
310



# FIG. 5

RESPONSE MESSAGE 300R

DATA FIELD  
310

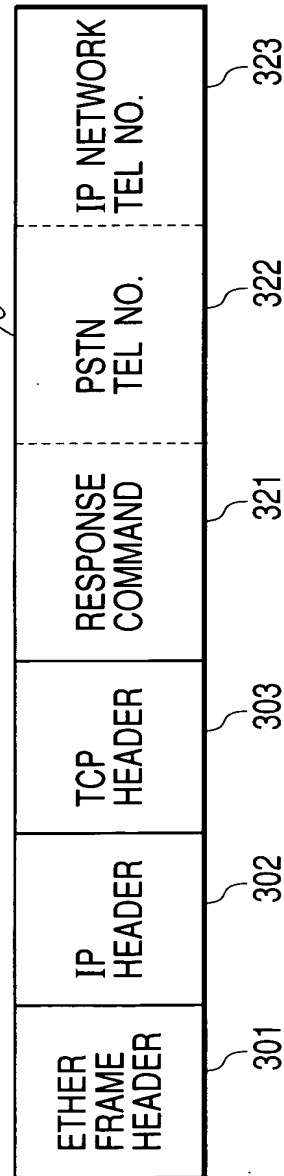


FIG. 6

CACHE TABLE 20

21 PRIORITY	22 PSTN TEL NO.	23 IP NETWORK TEL NO.	24 THE LAST CALLING TIME	25 TOTAL NUMBER OF CALLS	26 AVERAGE CALL INTERVAL
1	045-123-4567	050-890-1234	2000/1/10 10:30:30	10	20:10:00
2	044-234-5678	050-901-2345	2000/1/9 8:40:00	1	25:40:00
3	03-9012-3456	050-789-0123	2000/1/9 18:30:00	3	26:10:00
•	•	•	•	•	•
•	•	•	•	•	•
•	•	•	•	•	•
k-1	0467-567-8901	—	2000/1/10 11:00:00	1	300:00:00
k	03-5678-9012	050-345-6789	2000/1/10 11:30:00	3	320:10:00

EN-1

EN-2

⋮

EN-k

FIG. 7

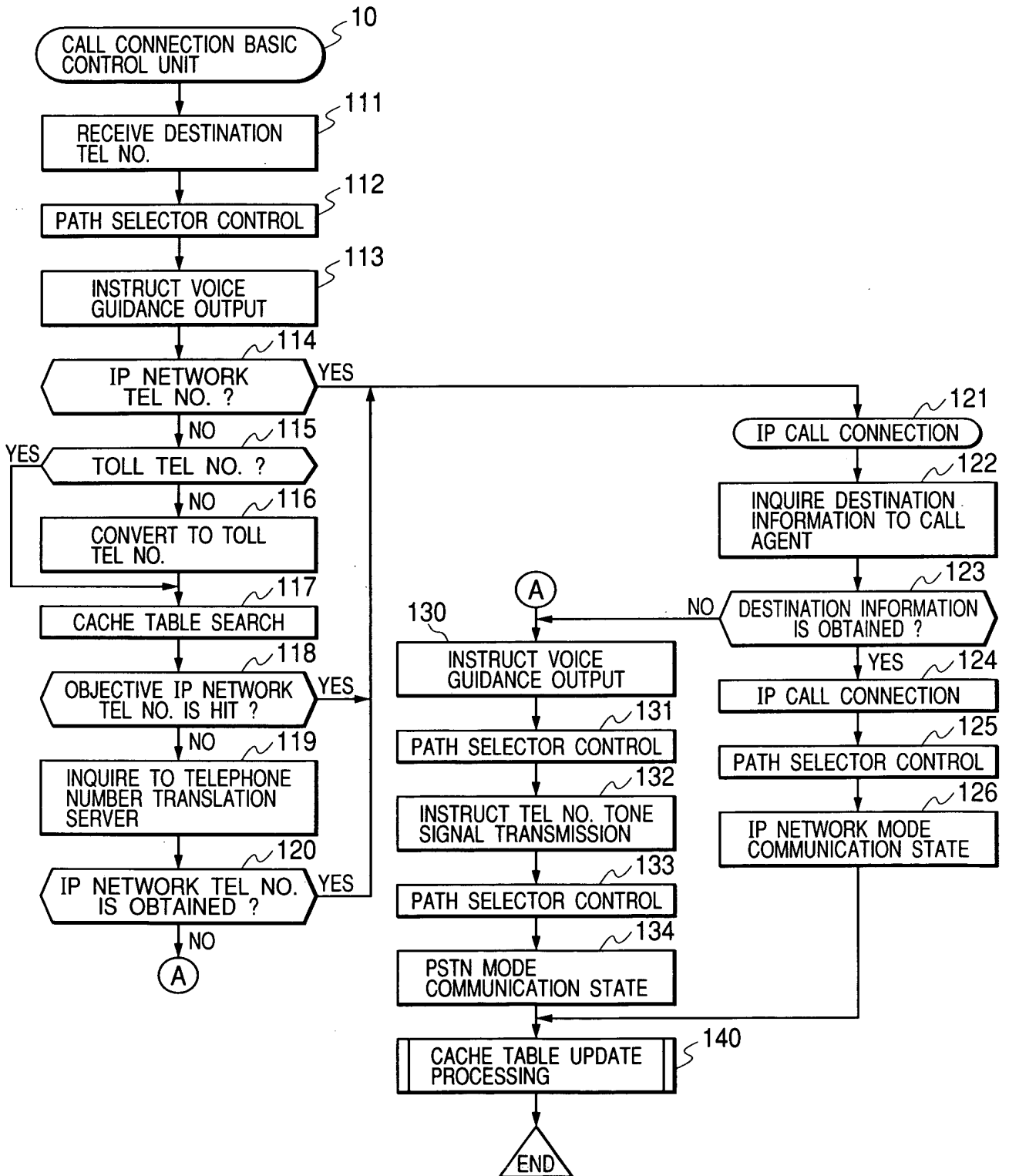
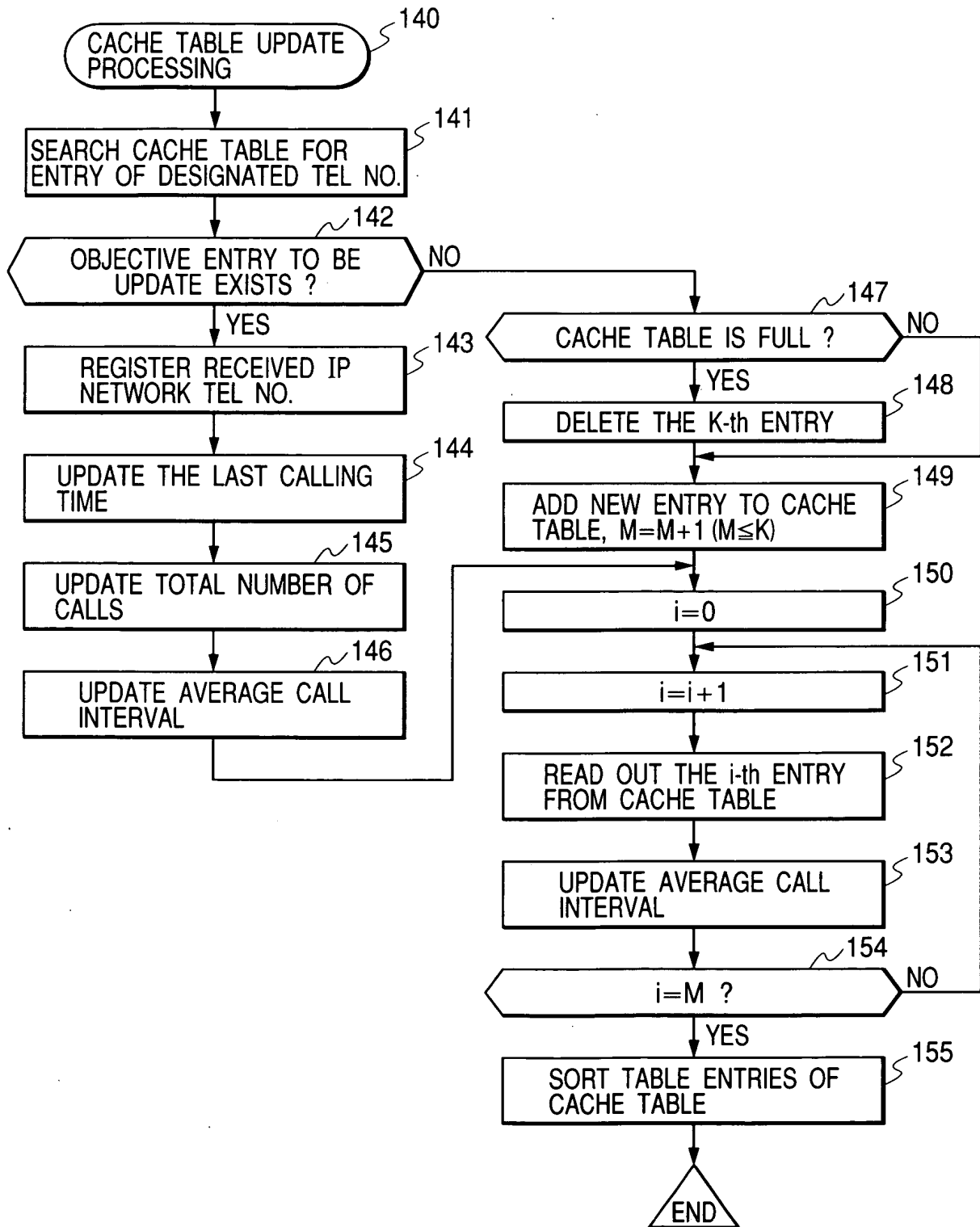
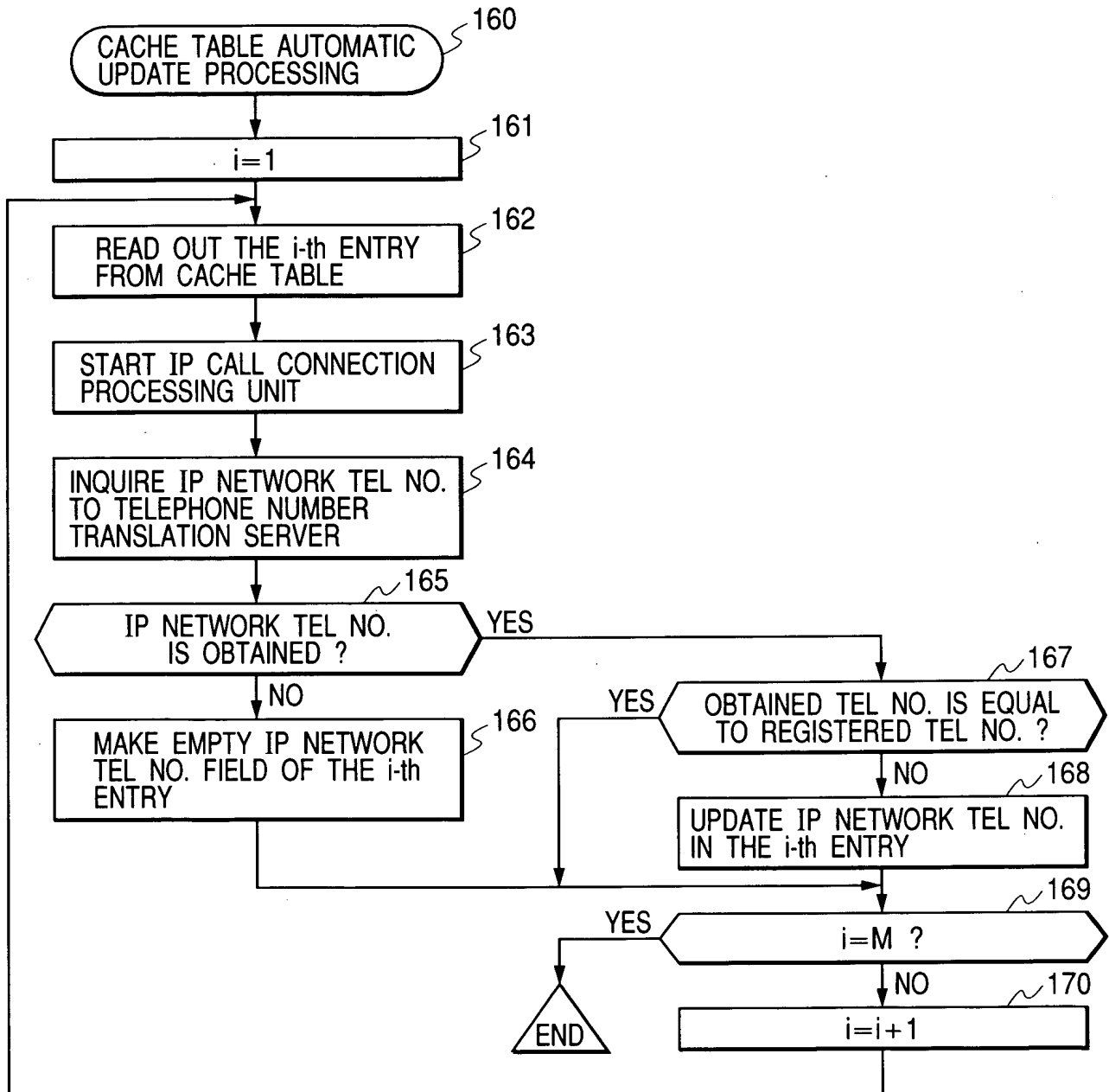


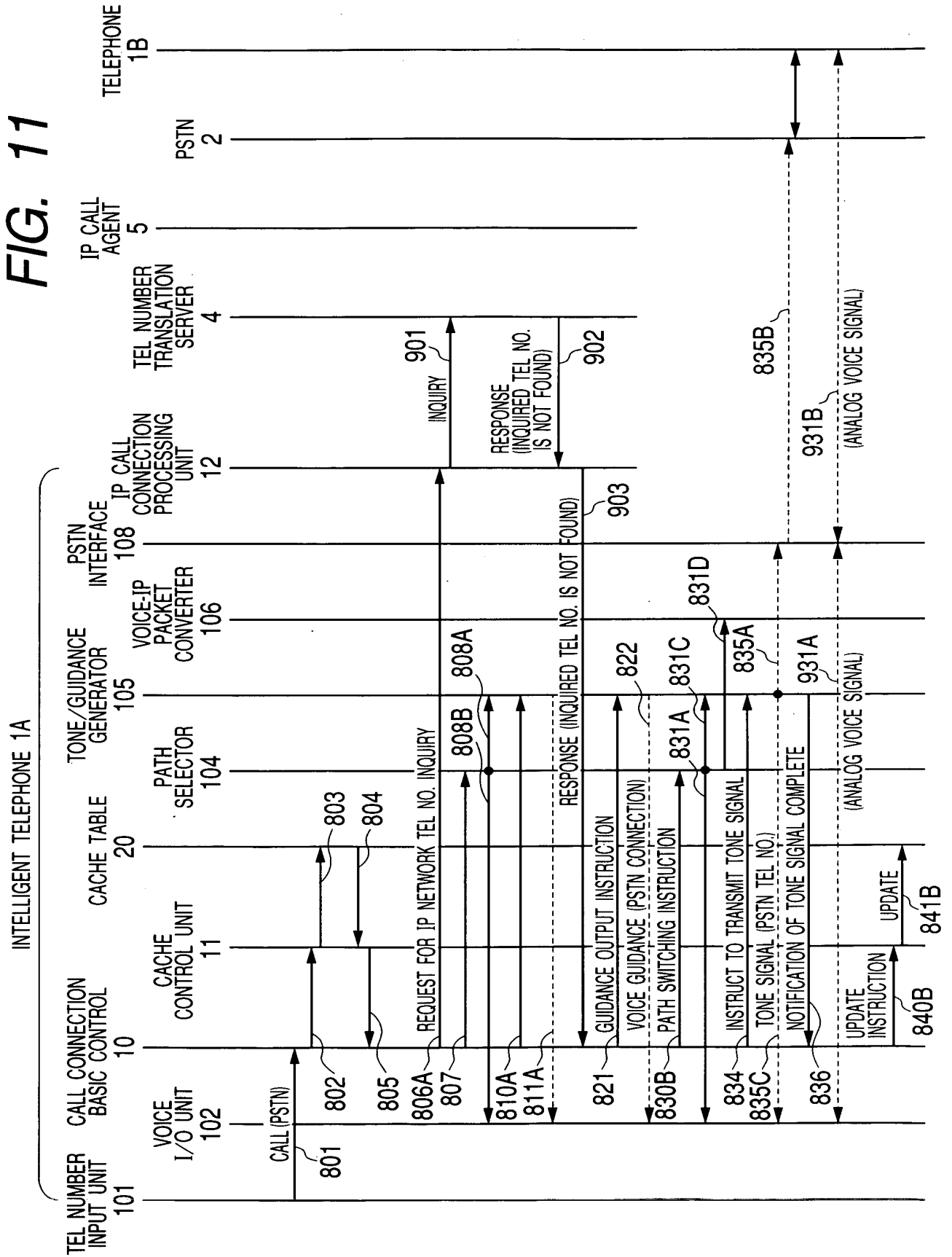
FIG. 8



**FIG. 9**







# FIG. 12

## INTELLIGENT TELEPHONE 1A

